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मानक

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“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

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“Step Out From the Old to the New”

IS 10994-2 (1984): Cartridges for Shot Guns, Part 2: Blank Cartridges [PGD 28: Arms and Ammunition for Civilian Use]



“ज्ञान से एक नये भारत का निर्माण”

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“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

SPECIFICATION FOR
CARTRIDGES FOR SHOT GUNS
PART 2 BLANK CARTRIDGES

1. Scope — Covers the general requirements about sampling inspection and performance testing of blank shot gun cartridges for general purposes for use at -20°C to $+50^{\circ}\text{C}$.

1.1 This specification Covers the requirements of blank cartridges (without lead shots) for general purpose use only, that is, for creating a loud sound to frighten off intruders.

2. Components, Nomenclature and Conformity — A typical assembly illustration for guide line showing names of components is given in Fig. 1 and list of components indicating their conformity to relevant part of this Indian Standard is given below:

Component	Part No. of IS : 10994
Case, Empty	Part 3
a) Body	
b) Head	
c) Cup where used	
d) Cap chamber	
e) Base wad	
Cap Filled	Part 4*
a) Cap empty	
b) Initiatory composition	
c) Disc	
Anvil	Part 5*
Propellant	Part 6*
Disc	Part 7
Air Cushion	Part 8

3. Sampling — See 3 of IS : 10994 (Part 1)-1984.

4. Test

4.1 Drop Test — See 4.1 of IS : 10994 (Part 1)-1984.

4.2 Sensitivity Test — See 4.2 of IS : 10994 (Part 1)-1984.

4.3 Insensitivity Test — See 4.3 of IS : 10994 (Part 1)-1984.

4.4 Pull Out Test — See 4.4 of IS : 10994 (Part 1)-1984.

4.5 Proof Test — The cartridges shall pass the proof test given in Appendix A.

4.6 Wads and cartridge cases when tested for functioning trial shall function correctly.

5. Resubmission of Rejected Batches — See 5 of IS : 10994 (Part 1)-1984.

6. Protective Treatment — The body of the finished cartridge shall be coated with laquer.

7. Packing and Marking — See 7.1 and 7.3 of IS : 10994 (Part 1)-1984.

8. Safety — See 8 of IS : 10994 (Part 1)-1984.

*Under preparation.

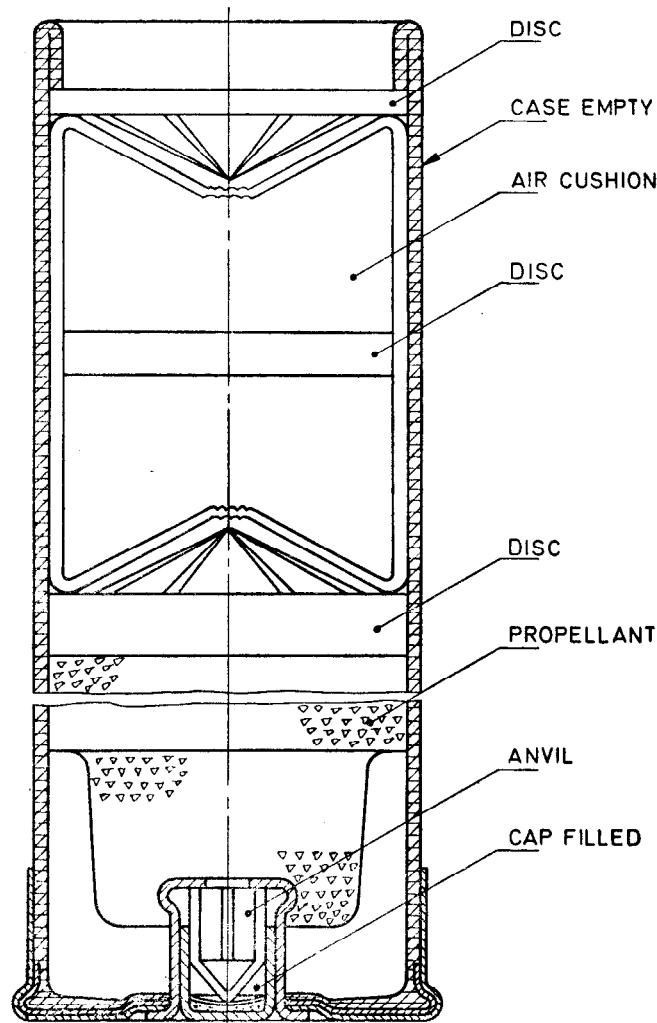


FIG. 1 BLANK CARTRIDGE FOR SHOT GUNS

APPENDIX A
(Clause 4.5)

PROOF TEST

A-1. Type of Proof

A-1.1 Functioning and Casualty Proof — 32 cartridges shall be fired from old gun (16 rounds) and new gun (16 rounds). The fired cases shall be free from the defects. The acceptance criteria for these defects is appended below:

Sl No.	Defect	Acceptance Quality Levels		
		Critical 0	Major 0.65 percent	Minor 1.5% percent
i)	Pierced cap	@		
ii)	Burst case	@		
iii)	Collapsed case	@		
iv)	Case separation	@		

Sl No.	Defect	Acceptance Quality Levels		
		Critical 0	Major 0·65 percent	Minor 1·5 percent
v)	Gas escape		@	
vi)	Stretching		@	
vii)	Cap blown out	@		
viii)	Misfire		@	
xi)	Head loose		@	
x)	Hard to load and extract		@	
xi)	Air cushion remains in the bore		@	
xii)	Poor audibility (for blank amn)		@	

A-1.2 Sentencing — The lot shall be sentenced subject to satisfactory performance at F and C proofs as per the acceptance criteria given in A-2.

A-2. Acceptance plan for proof of cartridges is given below:

AQLs	
Critical	—0
Major	—1·0 percent
Minor	—2·5 percent
First sample size	—32
Critical	—0
Major	—0 Ac 2 Re
Minor	—1 Ac 4 Re
Second sample size	—32
Critical	—0
Major (cumulative)	—1 Ac 2 Re
Minor (cumulative)	—4 Ac 5 Re

A-3. Failure of the cartridges in any sample to comply with the applicable requirement shall be cause for rejection of the lot subject to testing of a second sample consisting of same quantity of cartridges used in initial test at which the failure occurred. Failure of the cartridges to comply with the applicable requirements at reproof shall be the cause for rejection of the lot.

EXPLANATORY NOTE

This Indian Standard (IS : 10994) is being issued in the following parts, Part 1 covering general requirements for shot gun cartridges and subsequent parts covering the individual components:

Part 1	General requirements
Part 2	Blank cartridges
Part 3	Case empty
Part 4	Cap filled
Part 5	Anvil
Part 6	Propellant
Part 7	Discs
Part 8	Air cushion
Part 9	Lead shots